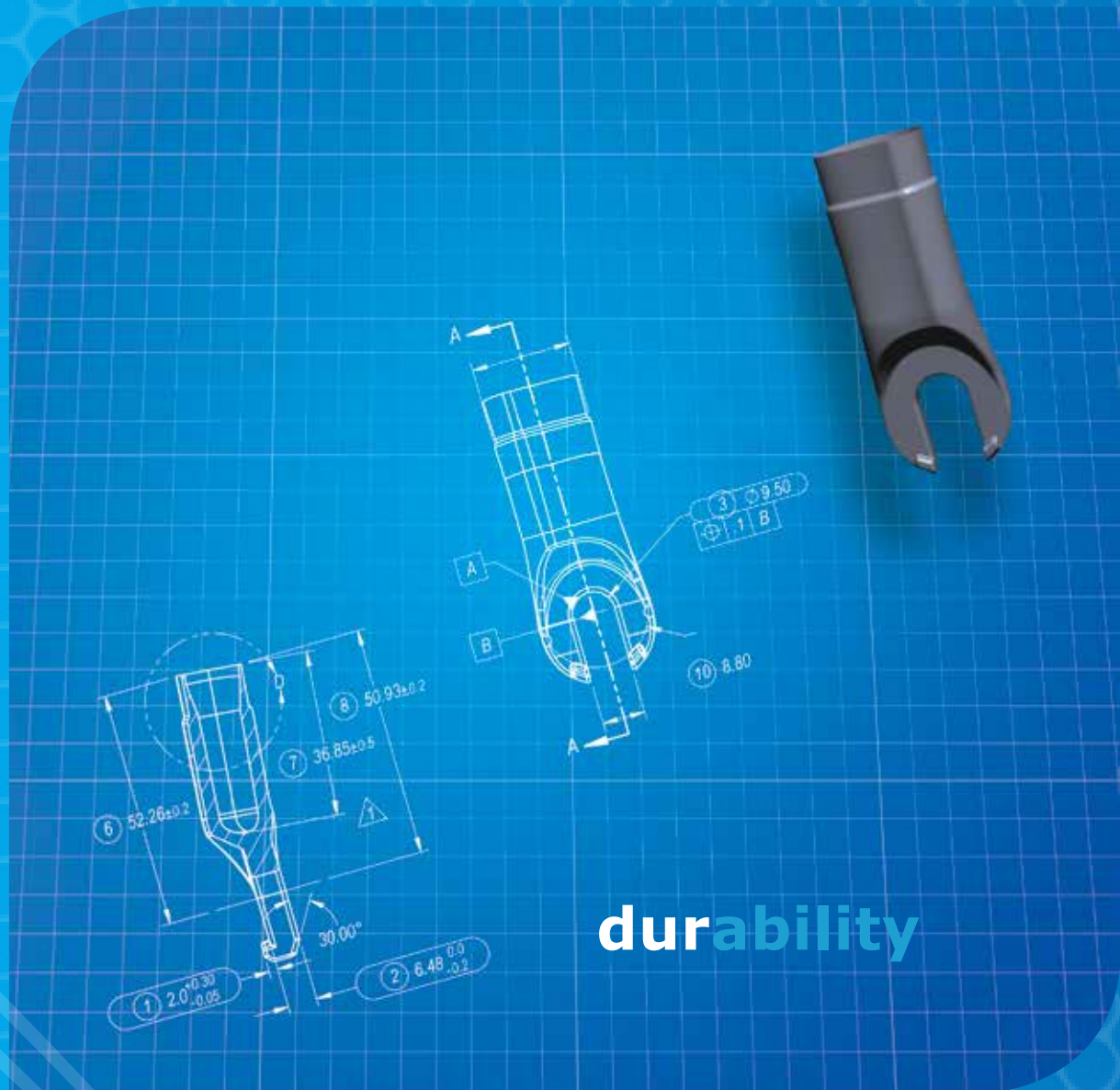


# DUROMER

## ENGINEERING POLYMERS



**durability**

- Designability
- Reliability
- Senseability
- Flexability

## Overview

Duromer has grown in technical capability and depth over the last 25 years. From humble beginnings as a distributor of engineering polymers and compounds, we now manufacture our own proprietary range of thermoplastic compounds, developed in house in our own laboratories across a broad range of polymers.

More recently, Duromer has entered the Long Fibre Thermoplastic compound market and now also offer a full suite of simulation software to help in the design process.

As an added dimension to our business Duromer distributes a range of high performance and commodity polymer products to increase the range of options we can offer to our diverse customer base.

### Manufacturing Capacity

Capacity was upgraded in January 2009. Installed capacity is currently 6,000 tonnes per annum delivered on co-rotating twin screw compounding lines. The manufacturing plant operates 24 hours per day on a 5 day cycle supported by Management, Planning, Logistics, Purchasing and QA personnel with in-house maintenance and technical services.

Our twin screw extruders are state-of-the-art and are equipped to handle a broad range of polymers and additives as diverse as metal powders and liquids. Because the feeding systems are closed loop and gravimetrically controlled manpower requirements are low and consistency is high.

Duromer also has a gravimetrically controlled, continuous blending station for efficient blending of pelletised components. This provides customers with lower cost alternatives to fully compounded products.



### Quality Accreditation

Duromer is accredited to ISO9001:2008. We have held quality accreditation since April 2002.

Duromer is an approved supplier of thermoplastic compounds for leading OEM suppliers within the medical devices industry.

Duromer is a UL registered site for manufacturing flame retarded compounds.

The unique selling position of Duromer revolves around:

**Listening** to our customers

**Focused** customer service

**Building** cost effective and targeted solutions

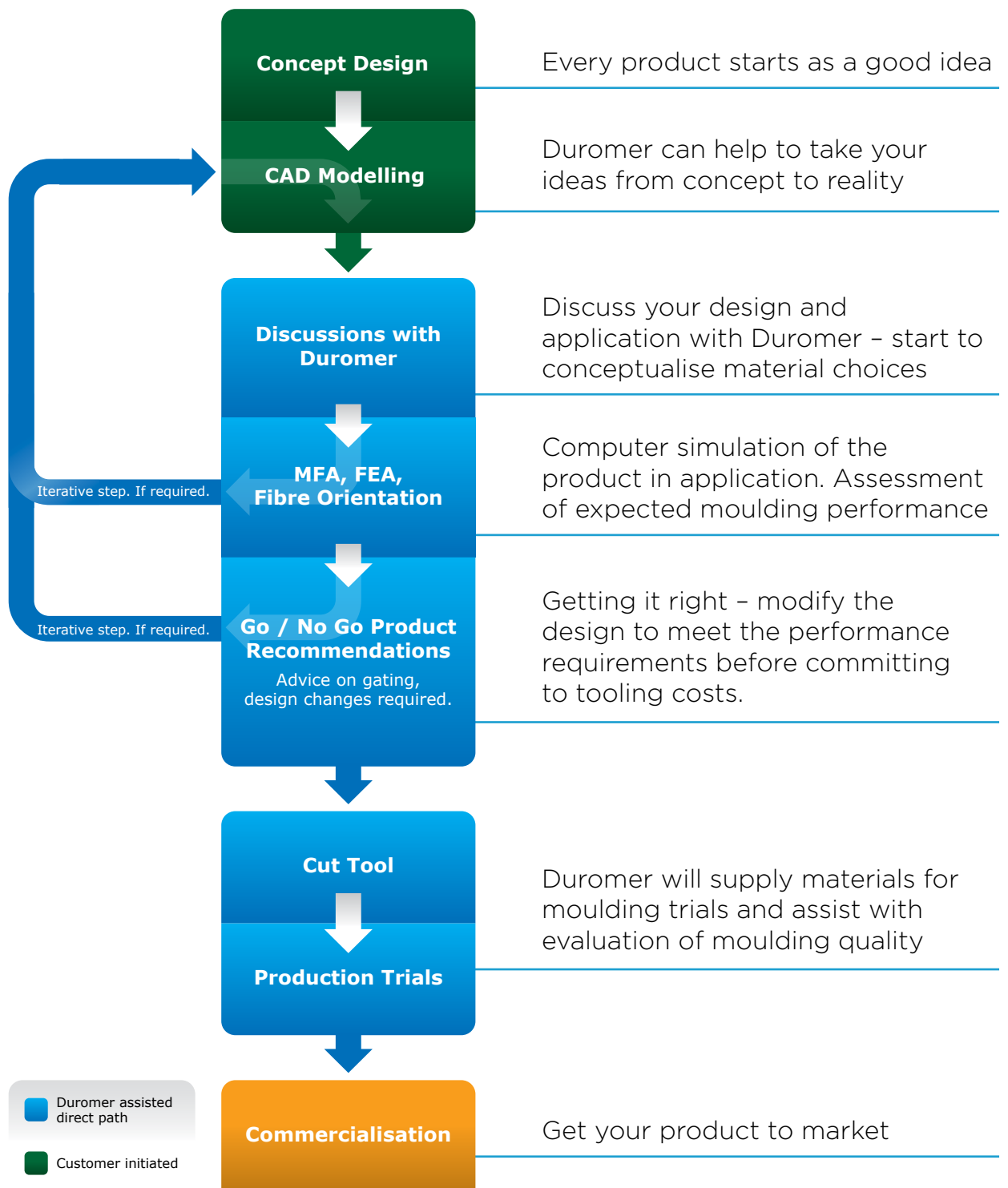
**Flexibility** of manufactured order quantity - 500kg to 50 MT

**Customised** Formulations

**Targeted** product development

**Global** reach for new technology

**Regional** support with distribution channels through Asia



[www.duromer.com](http://www.duromer.com)

[www.polystruct.com](http://www.polystruct.com)

## DUROMER'S PRODUCTS

PRIME POLYMERS	UNFILLED	GLASS FIBRE	LONG FIBRE Polystruct	MINERAL	CARBON FIBRE	PTFE / Lube	Flame Retarded HAL OR NON-HAL	IMPACT MODIFIED	CONDUCTIVE	FAST CYCLING ADDITIVES
Nylon 6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nylon 6,6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nylon 12	✓	✓	✓	✓	✓	✓	✓	✓		
PPA (Hi temp nylon)	✓	✓	✓	✓						
Nylon 6,12	✓	✓			✓					
PP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HDPE	✓	✓		✓	✓	✓	✓	✓	✓	
ABS	✓	✓					✓	✓	✓	
ASA	✓	✓								
Acetal	✓	✓				✓		✓		
PBT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PC	✓	✓			✓	✓	✓		✓	
PET		✓					✓	✓		✓
PPS (Ryton)		✓		✓	✓	✓	✓		✓	
K-Resin	✓									
TPU	✓	✓	✓	✓						
TPE	✓									
PC/ABS	✓	✓		✓			✓	✓	✓	
PC/ASA	✓	✓		✓			✓	✓	✓	
PC/PET	✓							✓		
PBT/PET	✓	✓		✓			✓	✓	✓	
<b>REPROCESSED</b>										
Nylon 6	✓	✓		✓			✓	✓		
Nylon 6,6	✓	✓		✓			✓	✓		
PP	✓	✓		✓						✓
HDPE	✓									
PET	✓	✓					✓	✓		✓

Reprocessing service offered for most polymers.

Pre-coloured prime compounds and some recycled polymers are also offered coloured.

\* Our range of polymers & additives increases regularly. If there is something missing from our range that you use please enquire as to its availability. We currently supply compounds containing liquids, oils, PTFE, metal powders, laser marking additives, silicon, UV, heat stabilisers, and stainless steel fibres to give you an example of our capabilities.

## Technical and Laboratory Capabilities

Capabilities:

ISO and ASTM

D.A.M. and Conditioned

Tensile properties

Flexural properties

Impact strength

Heat Distortion Temperature - High and low load

Vicat softening point

UL94 - V0, VI, V2, 5Va, HB

GWIT, GWFI

Long Term thermal stability

Melting Point

Melt Flow Index

Ash Content

Specific Gravity / Density

Shore Hardness A & D

Microscopic examination and imaging

Fibre Length Retention analysis

Weld Line Integrity

Chemical Resistance (limited)

Volume / Surface resistivity

Duromer maintains a fully equipped laboratory both for "Quality Control" measures and "Research and Development".

# Company History

Duromer Products Pty Ltd (“Duromer”) was established in April 1988, to take advantage of an opportunity to distribute a range of engineering plastic raw materials (Nylon 6 and PET) and barrier films manufactured by AlliedSignal Inc. (now Honeywell Inc.) in the United States.

Initially Duromer acted as a merchant of Honeywell’s engineering compounds and films. In May 1995 when Duromer acquired a licence from Honeywell for the manufacture and distribution of their Nylon 6 and PET range of engineering compounds in Australia and other defined markets.

Following the acquisition of Honeywell’s compounding business by BASF in 2004, Duromer began manufacture of our own proprietary range of products and has continued to build on our strong beginnings.

Duromer’s key strength in the engineering plastics market is the ability to design our products to provide specific solutions and then support and manage this process to a beneficial conclusion.

The business has focused on a “can do” approach and routinely handles a wide range of raw materials from standard reinforcing additives to liquid flame retarders and metal powders.

In April 2010, the company relocated the headquarters and manufacturing plant to a single purpose built facility strategically located in Sydney’s South Western logistics corridor. Our new manufacturing site at Prestons is equipped with a container loading and unloading dock, laboratory and warehousing facilities.

Duromer also maintains sales offices in both Melbourne and Adelaide allowing us to effectively service all states and territories.

## Ownership

Duromer is a 100% privately owned Australian company.

Management Team	
<b>Directors</b>	Jeremy Paton Wayne McDonald
<b>General Manager</b>	Andrew Stewart

### **Sydney - Head Office/ Manufacturing**

Telephone: +61 (02) 8797 0277  
FAX: +61 (02) 8797 0299

#### **Location/Deliveries**

Lot 109 Progress Circuit,  
Prestons NSW 2170

### **Melbourne Sales Office**

Telephone: +61 (3) 9870 5860  
Fax: +61 (3) 9870 0399

#### **Deliveries**

Suite 6, 303 Maroondah Highway,  
Ringwood VIC 3134

### **New Zealand Agents**

Polymers International Limited  
Tim Worn

Ph: +64 9 304 2875

Mob: +64 27 529 3055

Fx: +64 9 304 2879

E: <mailto:timw@polymers.co.nz>

[timw@polymers.co.nz](mailto:timw@polymers.co.nz)

#### **Deliveries**

117 Newton Rd, Eden Terrace  
Auckland 1010